




### *Best Practices for Consuming Map Services from the Midwest Region Geospatial Support Center*

- To add MWRGSC map services, launch the ArcCatalog application
  - In the Catalog Tree (left side of application), expand the **GIS Servers** section
    - Double-click **Add ArcGIS Server**
      - Select the “Use GIS Services” Radio Button and click “Next”
      - Enter - <http://inpniscvfemp3/arcgis/services> as the **Server URL** and click “Finish”
    - In the Catalog Tree, you should now see an entry called “*arcgis on inpniscvfemp3 (user)*”
  - If you want to change the name to something more easily recognizable, right-click the entry and choose “Rename”
  - If you click the entry you should see all the regional datasets available as map services in the main Contents tab
    - Select the unit you wish to work with. Once selected, you can click the Preview tab to see an overview of the data contained in that map service.
  - There are two ways to load the map service into an ArcMap document:
    - If you already have ArcMap open, you can simply drag the chosen map service into your ArcMap document and it should load automatically
    - Alternatively, you can click the **Add Data**  button in ArcMap, click the “Look in” drop-down box, and navigate to the **GIS Servers**. You should see the GIS Service you added previously (with the original name or the new one if you changed it). Double-click the GIS Server, select the map service you wish to use, and click the “Add” button.

#### **\*Note\***

The Park Boundary (Unofficial) layers in the Midwest Region Map Services are those acquired by the MWRGSC from the parks. The NPS “Land Resource Division Tract and Boundary Service” files are the official park boundary files. These layers can be added via separate map service from:

<http://mapservices.nps.gov/arcgis/services>.

- ArcGIS now provides an easy way to add base map services as well as additional ArcGIS community generated map services:
  - Click the dropdown arrow on the **Add Data**  button and click “Add Basemap”. In the window that pops up, simply select the basemap service you want to use and click “Add”.
  - Click the dropdown arrow on the **Add Data**  button and click “Add Data from ArcGIS Online”. In the window that pops up, you can add any data generated by the ArcGIS user community. Additionally, you can search for keywords related to the

data you are seeking. Once you have found a map service you want to use, simply select it and click “Add”.

**\*Note\***

All MWRGSC map services are served in the Web Mercator Auxiliary Sphere (WGS84) coordinate system as is required by the FEMP program. The base data is maintained in UTM XX (NAD83). If local coordinates are needed for analysis, please contact the MWRGSC to obtain a copy of this data.